



Primary Health care requirement / Single Clinic.

Space / Room	1. Minimum size 5*5 (total 25 square meters).
Staff	1. One Lab tech. (Minimum diploma holder or above)
Equipment's Medical equipment's	1. Three differential-part hematology analyzer. 2. Fully automated biochemistry analyzer minimum specification 120 test/hour. 3. One microscope. 4. One lid lock centrifuge. 5. Lid lock Centrifuge. 6. Water bath. (If applicable). 7. Calibrators and controls (all tests) 8. Specimen collection chair. 9. Spill kit. 10. First aid kit. 11. Sharp container.
Equipment's Non-Medical	1. Laboratory Refrigerator (2 to 4 C ⁰). 2. Freezer (0 to -26 C ⁰). 3. Quartz, Ceramic or Granite work benches. 4. Exhaust fan. 5. Waste bin (yellow and general). 6. Medical Soap (medical hibiscrub) and tissue dispenser (in each room).
Documents	1. SOP (Standard Operation Procedure). 2. Investigation list. 3. Equipment list. 4. QC files. 5. Local valid maintenance contracts. 6. Local valid reagent supply contract.
Design and construction guidelines (walls, sinks, floor etc..)	Please refer to the policy chapter 2 pages 21-25

❖ Note: all lab equipment's should have valid maintenance contract and reagent supply contract issued from Sultanate of Oman



Secondary Health care requirement / Multispecialty

Space / Room	<ol style="list-style-type: none">1. Two Minimum size rooms 5*5 (total 50 square meters).2. If microbiology applicable (subjected availability of micobiology) extra 4*4 room required. (Minimum three diploma holder and one BSc holder)
Staff	<ol style="list-style-type: none">1. Four minimum numbers of lab techs. (Minimum three diploma holder and one BSc holders)
Equipment's Medical equipment's	<ol style="list-style-type: none">1. Three or five diff part hematology analyzer.2. Fully automated biochemistry analyzer minimum specification 200 test/hour.3. Safety cabinet class two B (subjected of microbiology availability)4. Fully automated immunoassay analyzer (CLIA)5. One microscope in each room.6. One lid lock centrifuge in each room.7. Water bath. (If applicable).8. Calibrators and controls (all tests)
Equipment's Non-Medical	<ol style="list-style-type: none">7. Refrigerator (2 to 4 C⁰).8. Freezer (0 to -26 C⁰).9. Ceramic or Granite work benches.10. Ventilation system /Exhaust fan.11. Waste bin (yellow and general).12. Medical Soap (medical hibiscrub) and tissue dispenser (in each room).
Documents	<ol style="list-style-type: none">7. SOP (Standard Operation Procedure).8. Investigation list.9. Equipment list.10. QC files.11. Local valid maintenance contracts.12. Local valid reagent supply contract.
Design and construction guidelines (walls, sinks, floor etc..)	Please refer to the policy chapter 2 pages 21-25

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Tertiary Health care requirement / Hospital

Space / Room	1. Four Minimum size rooms 5*5 (total 100 square meters).
Staff	1. Ten minimum numbers of staff. (Minimum eight diploma holder and two MSc holders) 2. Pathologist.
Equipment's Medical equipment's	1. Five diff part hematology analyzer. 2. Fully automated biochemistry analyzer minimum specification 400 test/hour. 3. Safety cabinet class two B. 4. CO2 incubator. 5. Microbiology Identification and sensitivity method. 6. Fully automated immunoassay analyzer (CLIA,ECL and ECF) 7. Blood bank Gel method (Not applicable for referral diagnostic laboratory). 8. One microscope in each department. 9. One lid lock centrifuge in each department. 10. Water bath. (If applicable). 11. Calibrators and controls (all tests) 12. Specimen collection chair. 13. Spill kit. 14. First aid kit. 15. Sharp container.
Equipment's Non-Medical equipment's	1. Refrigerator (2 to 4 C ⁰). 2. Freezer (0 to -26 C ⁰). 3. Ceramic or Granite work benches. 4. Ventilation system /Exhaust fan. 5. Waste bin (yellow and general). 6. Medical Soap (medical hibiscrub) and tissue dispenser (in each room).
Document's	1. SOP (Standard Operation Procedure). 2. Investigation list. 3. Equipment list. 4. QC files. 5. Local valid maintenance contracts. 6. Local valid reagent supply contract.
Design and construction guidelines (walls, sinks, floor etc...)	Please refer to the policy chapter 2 pages 21-25

- ❖ Note: all lab equipment's should have valid maintenance contract and reagent supply contract issued from Sultanate of Oman